

Submit originals and one copy and electronic copy to **Governance/Finance**

		Phone	X 6950
Email Contact	ldconner@alaska.edu	Faculty Contact	Laura Conner

See <http://www.uaf.edu/uafgov/faculty/cd> for a complete description of the rules governing curriculum & course changes.

1. COURSE IDENTIFICATION:

Dept	BIOL	Course #	102	No. of Credits	4
------	------	----------	-----	----------------	---

			<input checked="" type="checkbox"/>	OTHER specify type
--	--	--	-------------------------------------	--------------------

Note: To meet the natural science requirement, courses must have 4 credit hours and include a laboratory. See <http://www.uaf.edu/uafgov/faculty/cd/credits.html> for more information on number of credits.

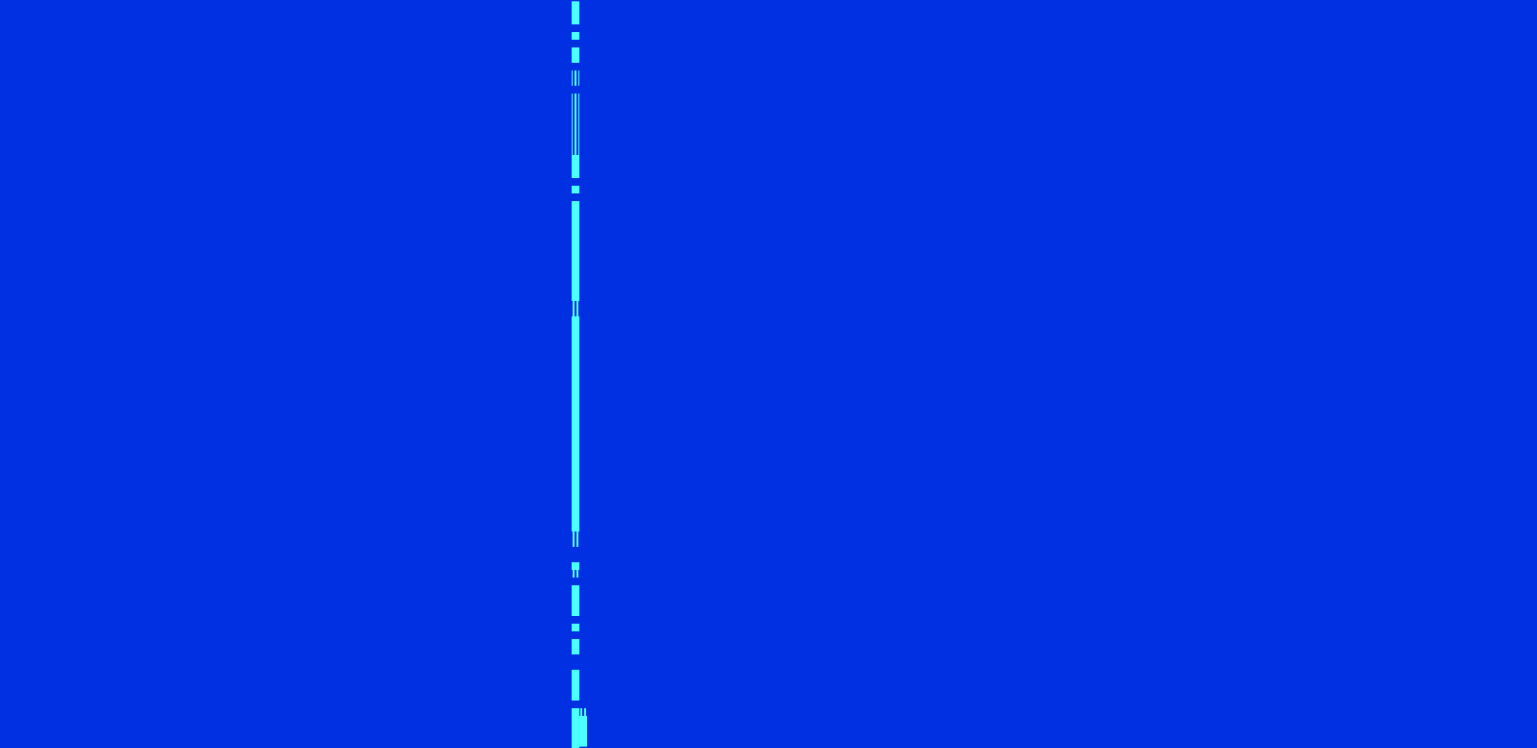
Existing Course	<input type="checkbox"/>	New Course Pending Approval*	<input checked="" type="checkbox"/>
-----------------	--------------------------	------------------------------	-------------------------------------

*Must be approved by appropriate Curriculum Council.)

2. CURRENT CATALOG DESCRIPTION

core natural science course that, along with a nutrition course, will ultimately replace BIOL 103X.

Protein Times for laboratory exercises.



lens of evolution.

Exams

Course exams will use a combination of multiple choice, short answer, and essay questions. In order to do well, you will need to understand the principles underlying major concepts, rather than simply memorizing facts. Exams must be taken at the scheduled time except in the case of university sanctioned events (such as participation in UAF athletic events) or emergencies. In the case of sanctioned events, you must contact me at least 1 week prior to the exam to notify me of your absence, and the exam must be taken prior to the absence. In the case of emergencies, you must notify me as soon as possible via email or phone about the absence. Make-up exams in the case of emergencies must be taken within 48 hours of the emergency if possible. Expect to provide documentation of the emergency.

Case studies

There will be 4 graded case studies during the semester which ask students to evaluate a data set or a scenario and answer questions. Case studies will generally be assigned as in class activities, and will be completed in pairs or small groups.

Participation

I expect you to attend class and participate actively. As mentioned above, I will use many active learning techniques in class. During class, you may be asked to devise hypotheses and simple experiments to test your hypotheses in small groups or pairs. You may be asked to turn in written, 1-minute responses to questions posed in class, or to participate in other in-class activities. We will also use whole-class discussion as a learning tool. Your participation grade will be based on regular participation in these activities.

Clickers

I will use the i-clicker response system to monitor learning and to identify points of misunderstanding. There is no need to purchase an i-clicker; they will be passed out and collected at the end of a class period when they are used. Note that the i-clicker is not the same clicker that is used in the Chemistry Department or in some other departments at UAF. The i-clicker is now being used in other classes in the Biology & Wildlife department and the Geology & Geophysics department. If you wish to purchase the i-clicker, the cost is about \$40.

Laboratories

The course laboratories are arenas in which to become familiar with tools and approaches used in science. Students will start with guided experiments and gradually move toward creating and testing student-generated hypotheses. We will explore societal implications of questions related to gender and sex determination. In the first half of lab (prior to spring break), students will receive a lab handout for each lab period. Each lab exercise will be graded. After spring break, students will work in pairs or groups to develop and complete a student-devised experiment, including presenting results to the class. In total, the lab makes up ~25% of your overall grade.

Attendance in lab is mandatory. If you are absent from your lab section, you may participate in another lab section during that same week with permission from both your T.A. and the T.A. of the other lab. If you miss a lab experience, you will receive a zero for the lab assignment for that week.

Grading

Assignment	Points
Case Studies (complete 4)	100
Exam 1	100
Exam 2	100
Exam 3	100
Final Exam	100
Participation	50
Lab	250
TOTAL	800

Student Support

Students with special needs or concerns can contact Student Support Services (474-6844).

1-May